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5 Performance analysis of a reluctance synchronous motor under abnormal operating condition

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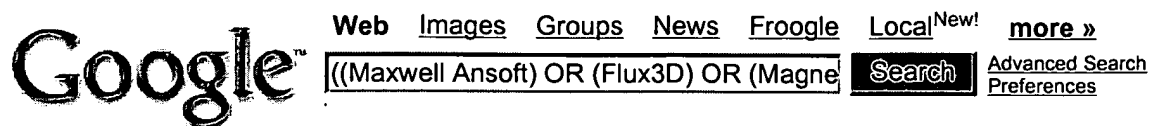
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1 **Magnetic vibration of three-phase induction motors supplied by inverter**
Munoz, A.R.; Araya, C.L.;
 Industrial Electronics, 1994. Symposium Proceedings, ISIE '94., 1994 IEEE International Symposium on , 25-27 May 1994
 Pages:210 - 213

[\[Abstract\]](#) [\[PDF Full-Text \(216KB\)\]](#) IEEE CNF

2 **Heat transfer in a high voltage, through-ventilated 4-pole induction motor**
Pickering, S.J.; Lampard, D.; Hay, N.; Roylance, T.F.;
 Electrical Machines and Drives, 1997 Eighth International Conference on (Conf. Publ. No. 444) , 1-3 Sept. 1997
 Pages:11 - 15

[\[Abstract\]](#) [\[PDF Full-Text \(400KB\)\]](#) IEEE CNF

3 **Small induction motor noise calculation**
Ishibashi, F.; Kamimoto, K.; Noda, S.; Itomi, K.;
 Energy Conversion, IEEE Transactions on , Volume: 18 , Issue: 3 , Sept. 2003
 Pages:357 - 361

[\[Abstract\]](#) [\[PDF Full-Text \(537KB\)\]](#) IEEE JNL

4 **Slip-frequency type and flux-feedback type vector controls in discrete time system**
Doki, S.; Takahashi, K.; Okuma, S.;
 Industrial Electronics, IEEE Transactions on , Volume: 44 , Issue: 3 , June 1996
 Pages:382 - 389

[\[Abstract\]](#) [\[PDF Full-Text \(204KB\)\]](#) IEEE JNL

5 **An output feedback globally stable controller for induction motors**
Espinosa-Perez, G.; Ortega, R.;
 Automatic Control, IEEE Transactions on , Volume: 40 , Issue: 1 , Jan. 1995
 Pages:138 - 143

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6 Dynamic characteristics and design technology of turbine generator stator frame

Ito, H.; Hanita, A.; Tari, M.; Matsuda, T.; Murakami, T.;

Energy Conversion, IEEE Transactions on ,Volume: 3 , Issue: 2 , June 1988
Pages:420 - 426

[\[Abstract\]](#) [\[PDF Full-Text \(456KB\)\]](#) IEEE JNL

7 Performance analysis of a single phase induction motor under eccentric conditions

Nandi, S.; Toliyat, H.A.; Parlos, A.G.;

Industry Applications Conference, 1997. Thirty-Second IAS Annual Meeting, I/ '97., Conference Record of the 1997 IEEE ,Volume: 1 , 5-9 Oct. 1997
Pages:174 - 181 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(524KB\)\]](#) IEEE CNF

8 Can synchronous reluctance motor be compared with induction motor

Miljavec, D.; Jereb, P.;

Electrotechnical Conference, 1996. MELECON '96., 8th Mediterranean ,Volume: 1 , 13-16 May 1996
Pages:317 - 320 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(272KB\)\]](#) IEEE CNF

9 Input-output decoupling of nonlinear control for an induction machine

Djermoune, A.; Goureau, P.;

Industrial Electronics, 1996. ISIE '96., Proceedings of the IEEE International Symposium on ,Volume: 2 , 17-20 June 1996
Pages:879 - 884 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(396KB\)\]](#) IEEE CNF

10 Upgrading of generators to improve reliability

Maughan, C.V.;

Electric Machines and Drives Conference, 2003. IEMDC'03. IEEE International ,Volume: 2 , 1-4 June 2003
Pages:885 - 894 vol.2

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11 Major tendencies in the development of generating equipment manufactured by JSC Electrosila for nuclear, thermal and hydroelectric power stations

Pinchuk, N.D.; Sitchenko, L.S.;

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Pages:625 - 627 vol.1

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12 Application of oblique elements to Three Gorges project*Liu Gongzhi; Li Zhihe; Fuerst, A.; Schafer, D.;*

Electrical Machines and Systems, 2001. ICEMS 2001. Proceedings of the Fifth International Conference on , Volume: 1 , 18-20 Aug. 2001

Pages:116 - 122 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(576KB\)\]](#) [IEEE CNF](#)**13 Design of foundations for large refiner motors***McKevitt, W.E.; Young, J.M.;*

Pulp and Paper Industry Technical Conference , 1999. Conference Record of 1 Annual , 21-25 June 1999

Pages:177 - 183

[\[Abstract\]](#) [\[PDF Full-Text \(668KB\)\]](#) [IEEE CNF](#)**14 Large band reduction of magnetic vibrations of induction machines "breaking of impedance" interface***Durantay, L.; Laurent, F.; Messin, Y.; Kromer, V.;*

Electric Machines and Drives, 1999. International Conference IEMD '99 , 9-12 1999

Pages:475 - 477

[\[Abstract\]](#) [\[PDF Full-Text \(200KB\)\]](#) [IEEE CNF](#)**15 Modeling and vector control of induction machines-a new unified approach***Yen-Shin Lai;*

Power Engineering Society 1999 Winter Meeting, IEEE , Volume: 1 , 31 Jan.-4 1999

Pages:47 - 52 vol.1

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Kulkarni, A.S.; El-Sharkawi, M.A.; Marks, R.J.; Andexler, G.; Jian Xing; Kerszenbaum, I.;

 Energy Conversion, IEEE Transactions on , Volume: 15 , Issue: 1 , March 200
 Pages:8 - 13

[\[Abstract\]](#) [\[PDF Full-Text \(152 KB\)\]](#) **IEEE JNL**
2 Elliptical novelty grouping for on-line short-turn detection of excited running rotors

Guttormsson, S.E.; Marks, R.J., II; El-Sharkawi, M.A.; Kerszenbaum, I.;

 Energy Conversion, IEEE Transactions on , Volume: 14 , Issue: 1 , March 199
 Pages:16 - 22

[\[Abstract\]](#) [\[PDF Full-Text \(532 KB\)\]](#) **IEEE JNL**
3 Localization of winding shorts using fuzzified neural networks

El-Sharkawi, M.A.; Marks, R.J., II; Oh, S.; Huang, S.J.; Kerszenbaum, I.; Rodriguez, A.;

 Energy Conversion, IEEE Transactions on , Volume: 10 , Issue: 1 , March 199
 Pages:140 - 146

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4 Transient analysis of distribution class adaptive VAR compensators: simulation and field test results

Kagalwala, R.A.; Venkata, S.S.; El-Sharkawi, M.A.; Butler, N.G.; Van Leuven, Rodriguez, A.P.; Kerszenbaum, I.; Smith, D.;

Power Delivery, IEEE Transactions on , Volume: 10 , Issue: 2 , April 1995

Pages:1119 - 1125

[\[Abstract\]](#) [\[PDF Full-Text \(592 KB\)\]](#) IEEE JNL

5 Maximum insulation stresses under transient voltages in the HV bar type winding of distribution and power transformers

Mazur, A.; Kerszenbaum, I.; Frank, J.;

Industry Applications, IEEE Transactions on , Volume: 24 , Issue: 3 , May-Jun 1988

Pages:427 - 433

[\[Abstract\]](#) [\[PDF Full-Text \(532 KB\)\]](#) IEEE JNL

6 Shaft currents in electric machines fed by solid-state drives

Kerszenbaum, I.;

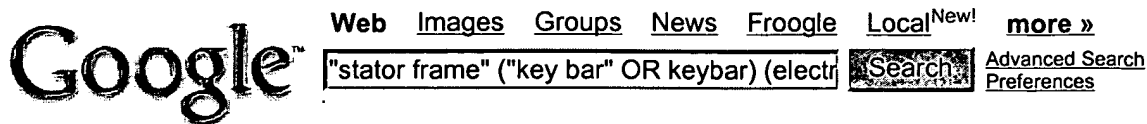
Industrial and Commercial Power Systems Technical Conference, 1992. Confe Record, Papers Presented at the 1992 Annual Meeting., IEEE Conference Record, 4-7 May 1992

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 of 24 V DC \pm 10% is applied. The **voltage** ...
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... 2.3 Core to **keybar** mounting arrangement in the **stator** frame, ... **voltage** is
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... For the latter type, since the **stator current** is a regulated ... **voltage** is
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... Disk Motor With RD15,941 Amorphous Metal **Stator** And Permanent Magnet Motor
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... US **Current** Class: 310/156.57. ... keybars and the flanges are designed mainly for meeting mechanical requirements of the **stator**. ... [0004] **Keybar voltage** restricts the ...
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... The interlaminar **voltage** in the main part of the core is modest - typical ...
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... Maximal switched **voltage** 25V. • Maximal switched **current** 1A ... the active
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 of a soft **key bar** button, as well as the handle of the pop-up menu ...

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Larsen Commander History

... The buttons on the **key bar** at bottom of screen now paints a tiny number on upper

... to toggle the visibility of hidden files in the **current** file panel. ...

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Distributed real-time simulation is the focus of intense development, with complex systems being represented by individual component simulations interacting as a coherent model. The real-time architecture may be composed of physically separated simulation centres. Commercial off-the-shelf (COTS) and Freeware Real-time software exists to provide data communication channels between the components, subject to adequate system bandwidth. However if the individual models are too computationally int ...

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Keywords: adaptive control, fuzzy logic, highway tunnel ventilation

- 3 [Industry track papers and presentations: product lines: Integrating hundred's of products through one architecture: the industrial IT architecture](#)

Lars G. Bratthall, Robert van der Geest, Holger Hofmann, Edgar Jellum, Zbigniew Korendo, Robert Martinez, Michal Orkisz, Christian Zeidler, Johan S Andersson

 May 2002 **Proceedings of the 24th International Conference on Software Engineering**


 Full text available: pdf(1.24 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

During the last few years, software product line engineering has gained significant interest as a way for creating software products faster and cheaper. But what architecture is needed to integrate huge amounts of products, from different product lines? This paper describes such an architecture and its support processes and tools. Through cases, it is illustrated how the architecture is used to integrate new --- and old --- products in such diverse integration projects as vessel motion control, ...

4 Visualization of supercomputer simulations in physics

V. Watson, G. Bancroft, T. Plessel, F. Merritt, P. P. Walatka

August 1989 **Proceedings of the 1989 ACM/IEEE conference on Supercomputing**

Full text available:  pdf(1.40 MB)

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Recent advances in computer graphics hardware and software have resulted in major improvements in our ability to experience computer simulations of physics by viewing dynamic three-dimensional scenes representing the simulations. This paper describes the hardware and software tools and techniques in use at NASA's Numerical Aerodynamic Simulation Facility for visualization of computational fluid dynamics. The visualization process is illustrated by video tapes and stereo pictures (av ...



5 Applications of qualitative modeling to knowledge-based risk assessment studies

Gautam Biswas, Kenneth A. Debelak, Kazuhiko Kawamura

June 1989 **Proceedings of the second international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1**

Full text available:  pdf(729.63 KB)

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Risk assessment of technological processes (chemical and power plants, electro-mechanical systems) is a complex process that requires enumeration of all possible failure modes, their probability of occurrence, and their consequences. Traditionally such studies have been performed by a committee of expert engineers with diverse backgrounds. This paper discusses the use of qualitative modeling techniques based on deriving behavior from structural descriptions and causal reasoning to aid autom ...



6 Man-machine interaction in the design of rotating electrical machines

Bernard J. Bennington

January 1969 **Proceedings of the 6th annual conference on Design Automation**

Full text available:  pdf(1.08 MB)

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When engineering design is considered as a part of the more general study of system design or problem solving, it becomes apparent that it subdivides into the separate problems of design analysis, design synthesis and system identification. Rotating electrical machinery presents a uniquely complicated system of non-linear, constrained, discrete and discontinuous relationships. The economical solution of the design of electrical machines in our industrial society can only be achieved ...



7 Gordon Bell awards session: Development and achievement of NAL numerical wind tunnel (NWT) for CFD computations

H. Miyoshi, M. Fukuda, T. Iwamiya, T. Nakamura, M. Tuchiya, M. Yoshida, K. Yamamoto, Y. Yamamoto, S. Ogawa, Y. Matsuo, T. Yamane, M. Takamura, M. Ikeda, S. Okada, Y. Sakamoto, T. Kitamura, H. Hatama, M. Kishimoto

November 1994 **Proceedings of the 1994 ACM/IEEE conference on Supercomputing**

Full text available:  pdf(685.50 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

NAL Numerical Wind Tunnel (NWT) is a distributed memory parallel computer developed through joint research and development of NAL and Fujitsu. It is based on the analysis of CFD codes developed in NAL. The target performance is more than 100 times faster than VP400. In this paper, the parallel computation model employed in the development of the NWT is described. The specification and feature of the NWT and the NWT Fortran are discussed. Finally, Performance evaluations and some applications are ...



8 Art session 2: tools development for arts research and practice: Sumi-nagashi: creation of new style media art with haptic digital colors ☐

Shunsuke Yoshida, Jun Kurumisawa, Haruo Noma, Nobuji Tetsutani, Kenichi Hosaka
October 2004 **Proceedings of the 12th annual ACM international conference on Multimedia**

Full text available:  [pdf\(946.91 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This installation provides painters with a method for feeling attributes of digital colors and a fluid canvas. When a user of this installation moves the stylus paintbrush over the digital canvas, he/she senses the "weight of the colors" through the brush. For example, the user experiences dark colors as heavy in weight and light colors as light in weight. Complex painting is expressed as a mixed tactile sensation using a new desk-style force feedback system called the "Proactive Desk." Other ...

Keywords: digital painting, haptic feedback, media art, virtual reality

9 An Illustrated Analysis of Sonification for Scientific Visualisation ☐

R. Minghim, A. R. Forrest
October 1995 **Proceedings of the 6th conference on Visualization '95**

Full text available:  [pdf\(1.04 MB\)](#)  Additional Information: [full citation](#), [abstract](#)
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This paper presents an analysis of progress in the use of sound as a tool in support of visualisation and gives an insight into its development and future needs. Special emphasis is given to the use of sound in Scientific and Engineering Applications. A system developed to support surface data presentation and interaction by using sound is presented and discussed.

Keywords: visualisation, sonification, surfaces, audio cues

10 Solving engine maintenance capacity problems with simulation ☐

Robert Gatland, Eric Yang, Kenneth Buxton
December 1997 **Proceedings of the 29th conference on Winter simulation**

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Jahns, T.M.; Blasko, V.;

Proceedings of the IEEE , Volume: 89 , Issue: 6 , June 2001

Pages:963 - 975

[\[Abstract\]](#) [\[PDF Full-Text \(220 KB\)\]](#) **IEEE JNL**
2 Distributed object technology for networking
Redlich, J.-P.; Suzuki, M.; Weinstein, S.;

Communications Magazine, IEEE , Volume: 36 , Issue: 10 , Oct. 1998

Pages:100 - 111

[\[Abstract\]](#) [\[PDF Full-Text \(1488 KB\)\]](#) **IEEE JNL**
3 The next chip challenge: effective methods for viable mixed technology SoCs
Pogge, H.B.;

Design Automation Conference, 2002. Proceedings. 39th , 10-14 June 2002

Pages:84 - 87

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4 Practical considerations concerning the interleaved transition mode single-stage ballast
Teodorescu, R.; Kjaer, S.B.; Munk-Nielsen, S.; Pedersen, J.K.; Blaabjerg, F.;

Industrial Electronics, 2002. ISIE 2002. Proceedings of the 2002 IEEE International Symposium on , Volume: 4 , 8-11 July 2002

Pages:1065 - 1070 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(648 KB\)\]](#) IEEE CNF

5 Machine visualization, understanding and interpretation of polyhedr line-drawings in document analysis

Wang, P.S.P.;

Document Analysis and Recognition, 1993., Proceedings of the Second International Conference on , 20-22 Oct. 1993

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Last, A.;

Light Rapid Transit On-Street, IEE Colloquium on , 16 May 1989

Pages:2/1 - 2/4

[\[Abstract\]](#) [\[PDF Full-Text \(384 KB\)\]](#) IEE CNF

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